2631

Docket No.: 87288.1500
Customer No.: 30734

Patent

#5
MDJ
8-14-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Technology Center 2600

In re Application of : Art Unit 2631
:
Richard William Fling *et al.* :
:
Serial No.: 09/918,719 :
:
Filed: August 1, 2001 :

For: METHOD AND SYSTEM FOR PRODUCING A MAGNETIC FIELD SIGNAL USABLE FOR LOCATING AN UNDERGROUND OBJECT

POWER OF ATTORNEY BY ASSIGNEE
OF ENTIRE INTEREST (REVOCATION OF PRIOR POWERS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

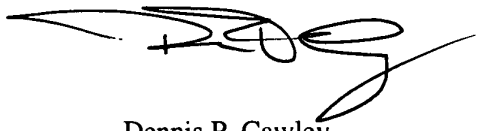
Attached is a Power of Attorney by the Assignee of record of the entire interest of the above-identified patent application, all powers of attorney previously given are hereby revoked and the following attorneys are hereby appointed to prosecute and transact all business in the United States Patent and Trademark Office connected therewith: Leo J. Jennings, Reg. No. 32,902, Kenneth J. Sheehan, Reg. No. 36,270, Edna Vassilovski, Reg. No. 42,198, Phong Duy Nguyen, Reg. No. 43,833, Dennis P. Cawley, Reg. No. 44,598, Gregory B. Kang, Reg. No. 45,273, Jonathan Kidney, Reg. No. 46,195, Dawn M. Sims, Reg. No. 47,090, Sean A. Pryor, Reg. No. 48,103, William W. Lewis, III, Reg. No. 48,742, Marc W. Butler, Reg. No. 50,219, Jason Brady, Reg. No. 51,493, Stephen S. Fabry, Reg. No. 51,661, Michael Graham, Reg. No. 51,750, P. Alan Larson, Reg. No. 53,184, and Sunit Talapatra, Reg. No. P54,482, of Washington, D.C., whose post office address is Washington Square, Suite 1100, 1050 Connecticut Avenue,

N.W., Washington, D.C. 20036-5304, Telephone No. 202-861-1500, Facsimile No. 202-861-1783, Customer Number 30734.

Kenneth Cameron, whose signature appears on the attached Power of Attorney as Managing Director of Radiodetection Limited, is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

BAKER & HOSTETLER LLP



Dennis P. Cawley
Reg. No. 44,598

Date: 7/31/2003

Baker & Hostetler LLP
Washington Square, Suite 1100
1050 Connecticut Avenue, N.W.
Washington, D.C. 20036

POWER OF ATTORNEY

Radiodetection Limited, located and doing business at Western Drive, Bristol BS14 0A2, England, has appointed and does hereby grant as its Attorney and Agent, Baker & Hostetler LLP, Washington Square, Suite 1100, 1050 Connecticut Avenue, and the following attorney(s) and/or agent(s) with full power of substitution and revocation, to prosecute the applications shown on the attached Schedule A, and to transact all business in the Patent and Trademark Office connected therewith:

Leo J. Jennings	Reg. No. 32,902
Kenneth J. Sheehan	Reg. No. 36,270
Edna Vassilovski	Reg. No. 42,198
Phong Duy Nguyen	Reg. No. 43,833
Dennis P. Cawley	Reg. No. 44,598
Gregory B. Kang	Reg. No. 45,273
Jonathan Kidney	Reg. No. 46,195
Dawn M. Sims	Reg. No. 47,090
Sean A. Pryor	Reg. No. 48,103
William W. Lewis, III	Reg. No. 48,742
Marc W. Butler	Reg. No. 50,219
Jason Brady	Reg. No. 51,493
Stephen S. Fabry	Reg. No. 51,661
Michael Graham	Reg. No. 51,750
P. Alan Larson	Reg. No. 53,184
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AND In testimony whereof, the Assignor has signed below, by its duly authorized legal representative, effective the day executed below.

RADIODETECTION LIMITED

By: _____

Typed Name: KENNETH CAMERON

Title: MANAGING DIRECTOR

Date: 22 July, 2003

STATE OF Maine)
) SS:
COUNTY OF Cumberland)

On this 22nd day of July, 2003, before me personally appeared KENNETH CAMERON to me known to be the persons named in and who executed the above instrument, and acknowledged to me that they executed the same for the uses and purposes therein set forth.

Debra Sherman Parsons
Notary Public

SEAL

My commission expires March 2, 2008

SCHEDULE A

Patent Number	Application Number	Title	Filing Date	Attorney Docket No.
	09/918,719	Method and System for Producing a Magnetic Field Signal Usable for Locating an Underground Object	08/01/01	87288.1500
	09/918,724	Method and System for Recovering Information From a Magnetic Filed Signal Usable for Locating an Underground Object	08/01/01	87288.1520
	09/918,714	Method and System for Reducing Interference	08/01/01	87288.1540
	09/918,716	Encoding Scheme for Producing Magnetic Field Signals Having Desired Spectral Characteristics	08/01/01	87288.1560
	10/076,104	Method and System for Remotely Servicing a Detection Device	02/15/02	87288.1580
	10/076,103	Digital Phase-Quadrature Oscillator	02/15/02	10/076,103
	10/076,086	Method and Systems for Generating Phase Derivative Sound	02/15/02	87288.1620
	60/357,117	System and Method for Detecting a Concealed Current Carrying Conductor	02/19/02	87288.1640
	10/367,983	System and Method for Detecting a Concealed Current Carrying Conductor	02/19/03	87288.1641
	10/076,089	Electronic Marker Locator System and Method	02/15/02	87288.1660
	10/354,177	Device and Method for Improved Data Transfer	01/30/03	87288.1680
	10/406,597	Cable Detector With Decimating Filter and Filtering Method	04/04/03	87288.1700
6,127,827	08/776,013	Method of Identifying a Buried Cable by Applying a Low Frequency Signal to the Cable and Detecting the Resultant Field	01/15/97	87288.1760
6,107,801	09/168,414	Locating an Inaccessible Object by Detecting Horizontal and Vertical Components of Magnetic Field	/08/98	87288.1780
5,920,194	08/737,060	Device for Locating Objects that Emit Electromagnetic Signals	/04/96	87288.1800

SCHEDULE A

Patent Number	Application Number	Title	Filing Date	Attorney Docket No.
5,917,325	08/894,664	Method for Locating an Inaccessible Object Having a Magnetic Field Generating Solenoid	08/25/97	87288.1820
6,268,731	09/180,555	Locator of Electrically Conductive Objects	12/14/98	87288.1840
6,297,736	09/462,063	Locating Concealed Conductors	12/30/99	87288.1860
6,236,217	09/242,458	Cable Fault Monitoring System	02/17/99	87288.1880
5,828,219	08/909,547	Method of Detecting Faults in the Insulation Layer of an Insulated Concealed Conductor	08/12/97	87288.1900
	09/931,994	An Apparatus and Method for Detecting an Underground Cable While Operating a Piece of Machinery	08/17/01	87288.1920
	09/300,488	Detecting Underground Conductors	04/28/99	87288.1921
	60/268,583	Conductor Tracing System	02/14/01	87288.1940
6,549,011	10/015,361	Conductor Tracing System	12/12/01	87288.1941
	60/268,633	Identifying Fibres of Fibre Optic Cables	02/14/01	87288.1960
	10/013,801	Identifying Fibres of Fibre Optic Cables	12/10/01	87288.1961
	60/203,284	Pipeline Mapping and Interrupter Therefore	05/11/00	87288.1980
	09/815,911	Pipeline Mapping and Interrupter Therefore	03/23/01	87288.1981
		Pipeline Mapping and Interrupter Therefore	07/01/03	87288.1986
	60/218,274	Signal Generator	07/13/00	87288.2000

SCHEDULE A

Patent Number	Application Number	Title	Filing Date	Attorney Docket No.
	09/870,106	Signal Generator	05/30/01	87288.2001
		Signal Generator	07/01/03	87288.2005
6,552,548	09/332,783	Detecting Underground Objects	06/14/99	87288.2020
6,459,255	09/491,797	Sonde Locator	01/26/00	87288.2040
	09/504,833	Controlling a Sonde Carried by a Boring Tool	02/16/00	87288.2060
		Controlling a Sonde Carried by a Boring Tool	06/23/03	87288.2064
6,480,635	09/554,559	Identification and Location of Fiber Optic Cables	05/15/00	87288.2080
	10/288,431	Identification and Location of Fiber Optic Cables	11/06/02	87288.2085
	09/086,840	Detecting Concealed Pipes and Cables	05/29/98	87288.2100
	09/086,841	Identification of Buried Cables	05/29/98	87288.2120
6,764,127	08/616,202	Inductive Transmitters for Conductor Location	03/15/96	87288.2201
	08/130,304	Conductor Tracing System	10/01/93	87288.2302
5,260,659	07/635,603	Conductor Tracing System	04/01/91	87288.2303
	08/130,304	Conductor Tracing System	10/01/93	87288.2310 ✓
5,210,497	07/781,242	Improvements Relating to Fault Tracing System	12/20/91	87288.2322

SCHEDULE A

Patent Number	Application Number	Title	Filing Date	Attorney Docket No.
	08/190,099	Position Detector	06/13/94	87288.2342
5,014,008	07/465,135	System for Detecting the Location and Orientation of an Object	02/27/90	87288.2362
4,896,117	07/267,162	Method of an Apparatus for Tracing Faults in Electrical Conductors	10/24/88	87288.2381
4,812,812	109,550	Apparatus and Method for Determining the Position and Orientation of a Remote Object	10/16/87	87288.2401
5,576,973	08/228,686	Apparatus and Method for Obtaining Geographical Positional Data for an Object Located Underground	04/18/94	87288.2520
5,552,703	08/121,883	Inclination Angle Sensing	09/17/93	87288.2561
6,351,985	09/479,156	Method and Apparatus for Detecting the Location of a Leak in a Pipe	01/07/00	87288.3020
	10/439,336	Fibre-Optic Cable Detection Apparatus and Method	05/16/03	87288.3040
	10/439,335	Optic Communication or Transmission Media Sensing	05/16/03	87288.3060
	10/324,016	Method and Apparatus for Measuring Airflow	12/20/02	87288.3100
	10/319,814	Method and Apparatus for Multiple Gas Sensor	12/16/02	87288.3120
	10/402,143	Cable Detection Apparatus and Method	03/31/03	87288.3140

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